



Heating and Plumbing

The pipe is used in private homes or public buildings for the transportation of hot and cold potable water as well as for radiant or floor heating.

The main materials used are polyethylene (PE), crosslinked (PEX) or non-crosslinked (PERT), which provide long term heat & pressure resistance. Maillefer offers several technologies covering the main market needs and pipe standards (ASTM, NSF CSA & EN ISO).

Our Solutions for Heating and Plumbing

PexA: Irradiation Heating & Plumbing Pipe

PEX-A tubing is produced using Peroxide method.

Maillefer uses with an oven, infrared waves to bring the heat to the pipe. Compared to ram extrusion systems, the infrared technology offers higher productivity and product flexibility.

The advantage is a full, ready-to-use product at the end of the production line.

PexB: Silane Based Heating & Plumbing Pipe

PEX-B is made using a "Silane" or "Moisture Cure" method of cross-linking. This type of PEX is the most common and is manufactured by a large number of companies. The advantage of this technology is a ready to extrude co-polymer that has already all its stabilisation and crosslinking properties as given by the material supplier.

PexC: E-Beam X-Linked Heating & Plumbing Pipe

PEX-C is manufactured using "Electronic Irradiation" method of crosslinking, also known as "Cold" crosslinking. Here, crosslinking is a separate process done downstream from extrusion by exposing the pipe within electron radiation beam chamber. The radiation emitted initiates the crosslinking process. PEX-c is a clean and chemical-free method for producing PEX.

PERT: Heating & Plumbing Pipe

The PERT material is a PE with Raised Temperature resistance. The PE resin provides excellent stress crack resistance and long term hydrostatic strength. The excellent weldability of this material offers the possibility to use fusion fittings. The pipe is very flexible, which facilitates installation particularly in cold weather conditions. Due to the absence of any chemical crosslinking agent, PERT has also good organoleptic properties for potable water.

Pex-Al-Pex Pipe Extrusion

PEX-AL-PEX, or AluPEX, or PEX/Aluminum/PEX pipes are made of aluminum strip sandwiched between two layers of PEX. The welded metal serves as an oxygen barrier to avoid corrosion of metallic parts found in the surrounding heating system. The thin aluminium layer provides some rigidity to the tube, which allows it to be shaped. The aluminium layer also provides structural resistance in order to safely withstand higher operating temperatures and pressures. The product is considered as the highest quality product for its application.

Please visit www.maillefer.net for more information and to find your nearest contact.